

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MALLARY, ET AL.

Serial No.: NOT YET ASSIGNED

Filed: NOVEMBER 5, 2003

Confirmation No.: N/A

Atty. File No.: 3123-529 (16420-02116)

For: "Shielded Pole Writer Under Reader"

) Group Art Unit: NOT YET ASSIGNED

) Examiner: NOT YET ASSIGNED

)

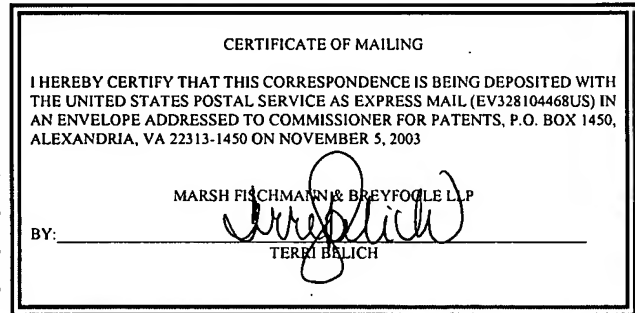
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicant hereby provides a copy of each of the documents identified on the enclosed PTO Form 1449, although Applicant does not admit that any of such documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicant that each such document is prior art as to the above-identified application.

Respectfully submitted,

MARSH FISCHMANN & BREYFOGLE LLP

By: Robert G. Crouch

Robert G. Crouch  
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Date: November 5, 2003

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
3123-529(16420-02116)

In Re Application Of: **MALLARY, ET AL.**

Serial No.  
**NOT ASSIGNED**

Filing Date  
**NOVEMBER 5, 2003**

Examiner  
**NOT ASSIGNED**

Group Art Unit  
**NOT ASSIGNED**

Title: **"SHIELDED POLE WRITER UNDER READER"**

Address to:

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
3123-529(16420-02116)

In Re Application: MALLARY, ET AL.

Serial No.  
NOT ASSIGNED

Filing Date  
NOVEMBER 5, 2003

Examiner  
NOT ASSIGNED

Group Art Unit  
NOT ASSIGNED

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.

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I certify that this document and fee is being deposited on NOV. 5, 2003 with the U.S. Postal Service as ~~first class~~ <sup>Express</sup> mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Signature of Person Mailing Correspondence

TERRI BELICH (EXP. MAIL # 328104468US)

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\*This certificate may only be used if paying by deposit account.

  
Signature

ROBERT G. CROUCH  
REGISTRATION NO. 34,806  
MARSH FISCHMANN & BREYFOGLE LLP  
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AURORA, CO 80014  
720-562-5506

Dated: NOVEMBER 5, 2003

CC:

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

3123-529 (16420-02116)

Application Number

NOT ASSIGNED

Applicant(s)

MALLARY, ET AL.

Filing Date

NOVEMBER 5, 2003

Group Art Unit

NOT ASSIGNED

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | REF | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----|-----------------|----------|-----------------|-------|----------|-------------------------------|
|                      | 1.  | RE33,949        | 06/02/92 | MALLARY, ET AL. | 360   | 110      |                               |
|                      | 2.  | 4,644,432       | 02/17/87 | HEIM            | 360   | 123      |                               |
|                      | 3.  | 4,656,546       | 04/07/87 | MALLARY         | 360   | 110      |                               |
|                      | 4.  | 4,672,493       | 06/09/87 | SCHEWE          | 360   | 125      |                               |
|                      | 5.  | 5,801,910       | 09/01/98 | MALLARY         | 360   | 126      |                               |
|                      | 6.  | 4,748,525       | 05/31/88 | PERLOV          | 360   | 110      |                               |
|                      | 7.  | 5,075,956       | 12/31/91 | DAS             | 29    | 603      |                               |
|                      | 8.  | 4,253,127       | 02/24/81 | KODAMA, ET AL.  | 360   | 125      |                               |
|                      | 9.  | 4,317,148       | 02/23/82 | CHI             | 360   | 119      |                               |
|                      | 10. | 4,423,450       | 12/27/83 | HAMILTON        | 360   | 111      |                               |
|                      | 11. | 5,041,922       | 08/20/91 | WOOD, ET AL.    | 360   | 55       |                               |

## FOREIGN PATENT DOCUMENTS

|  | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----|-----------------|------|---------|-------|----------|-------------|----|
|  |     |                 |      |         |       |          | YES         | NO |
|  |     |                 |      |         |       |          |             |    |
|  |     |                 |      |         |       |          |             |    |
|  |     |                 |      |         |       |          |             |    |
|  |     |                 |      |         |       |          |             |    |
|  |     |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |
|--|----|--|
|  | 1. | AUTHORS: K. ISE; K. YAMAKAWA; K. OUCHI; H. MURAOKA; Y. SUGITA; Y. NAKUMURA<br>TITLE: HIGH WRITING-SENSITIVITY SINGLE-POLE HEAD WITH CUSP-FIELD COILS<br>IEEE TRANSACTIONS ON MAGNETICS; VOL. 36, NO. 5; SEPTEMBER 2000; pp 2520-2523 |
|  |    |  |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# **INFORMATION DISCLOSURE CITATION**

*(Use several sheets if necessary)*

ATTY DOCKET NO.

3123-529(16420-02116)

SERIAL NO.

NOT ASSIGNED

**MALLARY, ET AL.**

FILING

NOVEMBER 5, 2003

GROUP

NOT ASSIGNED

## **U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----|-----------------|----------|----------------|-------|----------|-------------------------------|
|                      |     |                 |          |                |       |          |                               |
|                      | 12. | 5,111,352       | 05/05/92 | DAS, ET AL.    | 360   | 113      |                               |
|                      | 13. | 5,176,965       | 01/05/93 | MALLARY        | 428   | 694      |                               |
|                      | 14. | 5,431,969       | 07/11/95 | MALLARY        | 427   | 599      |                               |
|                      | 15. | 5,680,283       | 10/21/97 | TANAKA, ET AL. | 360   | 125      |                               |
|                      | 16. | 5,830,590       | 11/03/98 | GOOCH, ET AL.  | 428   | 694      |                               |
|                      | 17. | 5,843,565       | 12/01/98 | DAVIES, ET AL. | 428   | 212      |                               |
|                      |     |                 |          |                |       |          |                               |
|                      |     |                 |          |                |       |          |                               |
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|                      |     |                 |          |                |       |          |                               |

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|  |  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|--|-----------------|------|---------|-------|----------|-------------|----|
|  |  |                 |      |         |       |          | YES         | NO |
|  |  |                 |      |         |       |          |             |    |
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|  |  |                 |      |         |       |          |             |    |
|  |  |                 |      |         |       |          |             |    |

## **OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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